

Group Art Unit
1754

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**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
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Docket Number (Optional)
HUV-039.01 (19787-3901)

Application Number
09/966,812

Applicant
Lieber et al.

Filing Date
September 28, 2001

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PL	AC US 6,325,909 B1	12/04/01	Li et al.	205	106	
PL	AD US 6,283,812 B1	09/04/01	Jin et al.	445	24	
PL	AE US 6,250,984 B1	06/26/01	Jin et al.	445	51	
PL	AF US 6,221,330 B1	04/24/01	Moy et al.	423	447.3	
PL	AG US 6,221,154 B1	04/24/01	Lee et al.	117	87	
PL	AH US 6,210,800 B1	04/03/01	Nesper et al.	428	367	
PL	AI US 6,203,814 B1	03/20/01	Fisher et al.	424	443	
PL	AJ US 6,159,742	12/12/00	Lieber et al.	436	164	
PL	AK US 6,146,227	11/14/00	Mancevski	445	24	
PL	AL US 6,129,901	10/10/00	Moskovits et al.	423	447.3	
PL	AM US 6,099,965	08/08/00	Tennent et al.	428	408	
PL	AN US 6,063,243	05/16/00	Zettl et al.	204	164	
PL	AO US 5,997,832	12/07/99	Lieber et al.	423	249	
PL	AP US 5,824,470	10/20/98	Baldeschwieler et al.	435	6	
PL	AQ US 5,753,088	05/19/98	Olk	204	173	

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						YES	NO
PL	AR WO 00/66485	11/09/00	PCT				X
PL	AS WO 00/73205 A1	12/07/00	PCT				X
PL	AT WO 00/09443	02/24/00	PCT				X
PL	AU WO 96/38705	12/05/96	PCT				X

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PL	AV	Wong et al.; "Carbon Nanotube Tips: High-Resolution Probes For Imaging Biological Systems", J. Am. Chem. Soc., 120:603-604, (1998)
PL	AW	Wong et al.; "Covalently Functionalized Nanotubes as Nonometer-sized Probes in Chemistry and Biology", Nature, 394 : 52-55, (July 02, 1998)
PL	AX	Wang et al.; "Single-walled 4A Carbon Nanotube Arrays", Nature, 408: 50-51, (November 2000)

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PL	AY	Wong et al.; "Equivalently-Functionalized Single-Walled Carbon Nanotube Probe Tips for Chemical Force Microscopy", J. Am. Chem. Soc. 120: 8557-8558, (1998)
PL	AZ	Wang et al.; "Atomic Structure and Electronic Properties of Single-Walled Carbon Nanotubes", Nature 391: 62-64, (January 1, 1998)
PL	BA	Woolley et al.; "Direct Haplotyping of Kilobase-Size DNA Using Carbon Nanotube Probes", Nature Biotechnology, 18: 760-763, (July 2000)
PL	BB	Zhang et al.; "Heterostructures of Single-Walled Carbon Nanotubes and Carbide Nanorods", Science 285: 1719-1722, (September 10, 1999)
PL	BC	Journet et al.; "Large-scale Production of Single-Walled Carbon Nanotube by the Electric-arc Technique", Nature, 388: 756-758, (August 21, 1997)
PL	BD	Dai et al.; "Nanotubes as Nanoprobes in Scanning Probe Microscopy", Nature 384: 147-150, (November 14, 1996)
PL	BE	Cheung et al.; "Carbon Nanotube Atomic Force Microscopy Tips: Direct Growth by Chemical Vapor Deposition and Application to High-Resolution Imaging", PNAS, 97(8): 3809-3813, (April 11, 2000)
PL	BF	Kelly et al.; "Threefold Electron Scattering on Graphite Observed with C60 - Adsorbed STM Tips", Science 273: 1371-1373, (September, 6, 1996)
PL	BG	Fan et al.; "Self-Oriented Regular Arrays of Carbon Nanotubes and their Field Emission Properties", Science, 283: 512-514, (January 22, 1999)
PL	BH	Thess et al.; "Crystalline Ropes of Metallic Carbon Nanotubes", Science 273: 483-487, (July 26, 1996)
PL	BI	Hafner et al.; "High-Yield Assembly of Individual Single-Walled Carbon Nanotube Tips for Scanning Probe Microscopies", The Journal of Physical Chemistry B, 105(4): 743-746, (February 1, 2001)
PL	BJ	Nikolaev et al.; "Gas-phase Catalytic Growth of Single-Walled Carbon Nanotubes from Carbon Monoxide", Chemical Physics Letters 313: 91-97, (November 5, 1999)
PL	BK	Sinnott et al.; "Model of Carbon Nanotube Growth Through Chemical Vapor Deposition", Chemical Physics Letters 315: 25-30, (December 17, 1999)
PL	BL	Single-Walled Nanotubes Produced by Metal-Catalyzed Disproportionation of Carbon Monoxide", Chemical Physics Letters 260: 471-475, (September 27, 1996)
PL	BM	Hafner et al.; "Catalytic Growth of Single-Walled Carbon Nanotubes from Metal Particles", Chemical Physics Letters, 296 : 195-202, (October 30, 1998)
PL	BN	Anderson et al.; "Influence of the Support on the Structural Characteristics of Carbon Nanofibers Produced From the Metal-Catalyzed Decomposition of Ethylene", Chem. Mater 12: 823-830, (2000)
PL	BO	Cheung et al.; "Growth and Fabrication with Single-Walled Carbon Nanotube Probe Microscopy Tips", Applied Physics Letters, 76(21): 3136-3138, (May 22, 2000)

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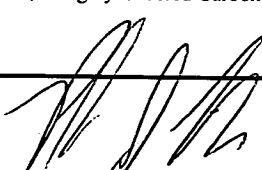
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PL	BP	Kyotani et al.; "Formation of Ultrafine Carbon Tubes by Using an Anodic Aluminum Oxide Film as a Template", Chemistry of Materials 7(8): 1427-1428, (August 1995)
PL	BQ	Li and Liu; "Preparation of Monodispersed Fe-Mo Nanoparticles as the Catalyst for CVD Synthesis of Carbon Nanotubes", Chem. Mater. 13: 1008-1014, (2001)
PL	BR	Han et al.; "Synthesis of Silicon Nitride Nanorods Using Carbon Nanotube as a Template", Applied Physics Letters 71(16): 2271-2273, (October 20, 1997)
PL	BS	Ago et al.; "Dispersion of Metal Nanoparticles for Aligned Carbon Nanotube Arrays", Applied Physics Letters, 77(1): 79-81, (July 3, 2000)
PL	BT	Li et al.; "Highly-Ordered Carbon Nanotube Arrays for Electronic Applications", Applied Physics Letters, 75(3): 367-369, (July 19, 1999)
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		DATE CONSIDERED 1/28/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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PL	BU WO 00/09443	02/24/00	PCT			

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PL	BV	Akita et al.; "Nanotweezers Consisting of Carbon Nanotubes Operating in an Atomic Force Microscope", Applied Physics Letters 79 (11):1691-1693, (September 10, 2001)
PL	BW	Cheung et al.; "Growth and Fabrication with Single-walled Carbon Nanotube Probe Microscopy Tips", Applied Physics Letters, 76 (21): 3136-3138, (May 22, 2000)
PL	BX	Dai et al.; "Nanotubes as Nanoprobes in Scanning Probe Microscopy", Nature, 384 : 147- 149, (November 14, 1996)
PL	BY	Hafner et al.; "Direct Growth of Single-walled Nonotube Scanning Probe Microscopy Tips", J. Am. Chem. Soc. 212: 9750-9751, (1999)
PL	BZ	Hafner et al.; "Growth of Nanotubes for Probe Microscopy Tips", Nature, 398:761-762, (April 29, 1999).
PL	CA	Kim and Lieber; "Nanotube Nonotweezers", Science 286: 2148-2150, (December 10, 1999)
PL	CB	International Search Report, Completed on February 02, 2002 and mailed on February 22, 2002

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
✓ PL	CC	WO 98/05920	02/12/98	PCT			X

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PL	CD	Nakayama et al.; "Microprocess for Fabricating Carbon-Nanotube Probes of a Scanning Probe Microscope", J. Vac. Sci. Techn. B, 12(2):661-664, (Mar/April, 2000)					
PL	CE	Qin et al.; "Growing Carbon Nanotubes by Microwave Plasma-Enhanced Chemical Vapor Deposition", Applied Physics Letters 72(26): 3437-3439, (June 29, 1998)					
PL	CF	Stevens et al.; "Carbon Nanotubes as Probes for Atomic force Microscopy", Nanotechnology 11: 1-5, (2000)					
PL	CG	Database CA 'Online', Chemical Abstracts Service, Columbus OHIO, Database AccessionNo. 133: 181653 CA XP 002187925					
PL	CH	International Search Report Completed on January 22, 2002 and Mailed on February 06, 2002					

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